Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/26/2021 09:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123717	-2	3.60	123912	3.67
Blue	F	SSC	125000	123741	-2	4.52	124677	4.47
Blue	E	FITC	14203	13664	-4	3.67	298	16.01
Blue	D	PE	25703	25037	-3	3.42	544	11.05
Blue	B	PerCP-Cy5-5	42104	40834	-4	4.02	910	15.26
Blue	A	PE-Cy7	34646	33762	-3	5.07	482	29.65
Red	C	APC	49824	49066	-2	3.25	1500	11.53
Red	A	APC-Cy7	39773	38383	-4	3.33	716	11.70
Violet	B	V450	7447	7065	-6	4.53	411	12.76
Violet	A	V500	31193	29954	-4	4.36	689	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21244	3.49	558	2	N/A	N/A	Pass
Blue	F	SSC	54729	3.66	520	8	N/A	N/A	Pass
Blue	E	FITC	55	54.42	488	2	0.0368	108	Pass
Blue	D	PE	107	38.51	490	5	0.3485	241	Pass
Blue	B	PerCP-Cy5-5	174	36.77	581	4	0.0180	42	Pass
Blue	A	PE-Cy7	109	66.53	625	5	0.0220	10	Pass
Red	C	APC	350	24.46	571	4	0.0281	141	Pass
Red	A	APC-Cy7	199	24.56	546	2	0.0065	826	Pass
Violet	B	V450	90	40.90	451	2	0.0454	1563	Pass
Violet	A	V500	120	30.67	469	2	0.0270	1105	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.22	-32.01	1.04
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.23	15.99 - 23.99	N/A	N/A	30.38	30.58	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9544

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments